In the Claims:

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1	12. (Amended) [A computer program product that implements an execution stack that		
٠ 2	stores frames for functions written in a plurality of programming languages,] A computer		
. 3	readable medium including computer program code for implementing an execution stack, the		
4	computer readable medium comprising:		
5	computer code that stores a first frame on the execution stack for a first function, the first		
6	function being written in a first programming language; and		
7	computer code that, in response to the first function calling a second function written in a		
8	second programming language, stores a data block on the execution stack before a second frame		
9	for the second function, the data block including at least one pointer to a previous frame on the		
10	execution stack for a previous function written in the second programming language. [and		
11	a computer readable medium that stores the computer codes.]		
1	(Amended) The computer [program product] readable medium of claim 12,		
2	wherein the computer readable medium is selected from the group consisting of CD-ROM,		
3	floppy disk, tape, flash memory, system memory, hard drive, and data signal embodied in a		
4	carrier wave.		
1	(Amended) A computer system [for implementing] having an execution stack		
2	that stores frames for functions written in a plurality of programming languages, the computer		
3	system comprising:		
4	a processor;		
5	a memory coupled to the processor that stores the execution stack; and		
6	a computer program operating on the processor that stores a first frame on the execution		
7	stack for a first function, the first function being written in a first programming language and, in		

response to the first function calling a second function written in a second programming			
anguage, stores a data block on the execution stack before a second frame for the second			
function, the data block including at least one pointer to a previous frame on the execution stack			
for a previous function written in the second programming language.			
7 25. (Amended) In a computer system, a method for [implementing an execution			
stack that stores] storing frames for functions written in a plurality of programming languages on			
an execution stack, the method comprising:			
storing a first frame on the execution stack for a first function, the first function being			
written in a first programming language; and			
in response to the first function calling a second function written in a second			
programming language, storing in local storage at least one pointer to the first frame on the			
execution stack and storing a second frame on the execution stack for the second function.			
35. (Amended) [A computer program product that implements an execution stack			
that stores frames for functions written in a plurality of programming languages,] A computer			
readable medium comprising:			
computer code that stores a first frame on the execution stack for a first function, the first			
function being written in a first programming language; and			
computer code that, in response to the first function calling a second function written in a			
second programming language, stores in local storage at least one pointer to the first frame on			
the execution stack and stores a second frame on the execution stack for the second function. [;			
and			
a computer readable medium that stores the computer codes.]			
25 34. (Amended) The computer [program product] readable medium of claim 33,			

wherein the computer readable medium is selected from the group consisting of CD-ROM,

3	noppy disk, tape, flash memory, system memory, nard drive, and data signal embodied in a		
4	carrier wave.		
1	(Amended) A computer system [for implementing an execution stack that stores		
2	frames for functions written in a plurality of programming languages,] comprising:		
3	a processor;		
4	a memory coupled to the processor that stores [the] an execution stack; and		
5	[an] a computer program operating on the processor that stores a first frame on the		
6	execution stack for a first function, the first function being written in a first programming		
7	language; and, in response to the first function calling a second function written in a second		
8	programming language, stores in local storage at least one pointer to the first frame on the		
9	execution stack and stores a second frame on the execution stack for the second function.		
1	36. (Amended) A data structure stored by a computer readable medium [for		
2	implementing an execution stack,] comprising:		
3	a first frame stored by the computer readable medium on [the] an execution stack, the		
4	first frame being for a first function written in a first programming language;		
5	a second frame stored by the computer readable medium on the execution stack above the		
6	first frame, the second frame being for a second function written in a second programming		
7	language; and		
8	a data block stored by the computer readable medium on the execution stack above the		
9	second frame, the data block including at least one pointer to the first frame on the execution		
10	stack		

Add the following newly drafted claims:

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1	34 42. Ir	a computer system having an execution stack that stores frames for functions		
2		written in a plurality of programming languages, a method for operating the computer system by		
3	utilizing the execution stack, the method comprising:			
4	storin	g a first frame on the execution stack for a first function, the first function being		
5	written in a first programming language; and			
6	in response to the first function calling a second function written in a second			
7	programming language, storing a data block on the execution stack before a second frame for th			
8	second function, the data block including at least one pointer to a previous frame on the			
9	execution state	ck for a previous function written in the second programming language.		
1	35 43. T	74 he method of claim 42°, wherein the at least one pointer includes a previous stack		
2	pointer and frame pointer.			
1	36 44.	The method of claim 42, further comprising in response to the first function		
2	calling the se	cond function, allocating resources for functions written in programming languages		
3	other than the second programming language that may be called by the second function.			
1	37 45.	36 The method of claim 44, further comprising upon exiting the second function,		
2	deallocating t	he resources for functions written in programming languages other than the second		
3	programming	language.		
1	38 46.	The method of claim 42, further comprising catching an exception that was raised		
2	during execut	ion of the second function that was not handled by an exception handler for the		
3	second functi	on.		
1	39 47.	38 The method of claim 46; further comprising identifying an exception handler for		
2	the data block	to handle the exception and jumping to the identified exception handler.		